



Boston

ROSALIE RUFFINO - SPRAGUE ENERGY

V-04-00375

ANALYTICAL REPORT NO: 441080/ P111403032

SHORE TANK 4 (AFTER DISCHARGE SERIFOPOULO)  
SPRAGUE ENERGY, SEARSPORT ME  
# 6 FUEL OIL ON JULY 12, 2004

<u>TESTS</u>	<u>METHODS</u>	<u>RESULTS</u>
GRAVITY, API @ 60 DEG F.	ASTM D 4052	10.8
FLASH POINT, F	ASTM D 93	>200
SEDIMENT & WATER, VOL. %	ASTM D 1796	0.1
SEDIMENT BY EXTRACTION, WT. %	ASTM D 473	0.03
VISCOSITY, @ 122 F, SFS/CST	ASTM D 445	260.2/551.4
POUR POINT, C	ASTM D 97	-3
SULFUR, WT. %	ASTM D 4294	1.732
ASH, WT. %	ASTM D 482	0.040
GROSS BTU, LB. / GAL.	CALCULATED	18,352/151,973
NITROGEN, WT. %	ASTM D 5762	0.39
ASPHALTENES, WT. %	IP 143	6.6
CONRADSON CARBON RES. WT. %	ASTM D 189	11.8
WATER BY DISTILLATION, VOL. %	ASTM D 95	0.5
SODIUM, PPM WT.	ASTM D 5863	21
VANADIUM, PPM WT.	ASTM D 5863	120

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SGS OIL, GAS & CHEMICALS  
BOSTON - JULY 12, 2004

CHARLES L. KILLEEN

SGS North America Inc.

Oil, Gas & Chemicals Services Division, 324 Marginal Street, Chelsea, MA 02150  
t (617) 889-0773 f (617) 889-3029 www.sgs.com

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Approved, 7/16/02 S.Mitchell

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